

CLAIMS:

1. A method of automatically registering address information of a mobile communication terminal, comprising:

5 generating an address information registering message at an originating mobile communication terminal by adding an identifier to transmission information and transmitting the address information registering message from the originating mobile communication terminal; and

10 at a called mobile communication terminal, receiving the address information registering message, checking whether or not an address information registering message service is available, and registering the transmission information with an address book.

15 2. The method of claim 1, further comprising, when the address information registering message service is not available, transmitting a return message from the called mobile communication terminal to the originating mobile communication terminal and informing the originating mobile communication terminal that registration of the address information is not accepted.

25 3. The method of claim 1, wherein said transmitting the address information registering message comprises:

waiting for an originator's selection of a menu of
'sending address information';

displaying an input screen and receiving the address
information to be added to a content of a short message by the
5 originator's input; and

generating the address information registering message by
adding the identifier to the short message and transmitting the
generated address information registering message to the called
mobile communication terminal.

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4. The method of claim 3, wherein said transmitting the
address information registering message further comprises:

waiting for the originator's selection of an address book
menu and displaying the address information from the address
15 book of an internal memory; and

waiting for the originator's selection of address
information and adding the selected address information to the
content of the short message.

20 5. The method of claim 1, wherein said registering the
transmission information with the address book, comprises:

receiving a short message from the originating mobile
communication terminal and checking whether the short message
is the address information registering message by extracting
25 the identifier from the short message;

searching terminal information of the called mobile communication terminal to check whether or not the address information registering message service is available at the called mobile communication terminal;

5 checking whether or not an automatic storage function for the address information is set up;

 extracting the address information from the address information registering message received from the originating mobile communication terminal and checking whether or not the
10 extracted address information exists in the address book of an internal memory; and

 registering the extracted address information with the address book of the internal memory when the extracted address information does not exist in the address book of the internal
15 memory.

6. The method of claim 5, wherein said registering the transmission information with the address book, further comprises, when the automatic storage function for the address
20 information is not set up, casting a question about whether or not the recipient stores the address information through a display screen and checking whether or not the recipient selects registration of the address information, by waiting for the recipient's key input.

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7. A method of automatically registering address information of a mobile communication terminal, comprising:

generating an address information registering message at an originating mobile communication terminal by adding an identifier to transmission information and transmitting the address information registering message from the originating mobile communication terminal;

a short message service center's checking whether or not an address information registering message service is available at a called mobile communication terminal in order to receive the address information registering message and to transmit the address information registering message to the called mobile communication terminal; and

the called mobile communication terminal's receiving the address information registering message through the short message service center (SMSC) to register the transmission information with an address book.

8. The method of claim 7, wherein said transmitting the address information registering message, comprises:

waiting for an originator's selection of a menu of 'sending address information';

displaying an input screen and receiving the address information to be added to a content of a short message by the originator's input; and

generating the address information registering message by adding the identifier to the short message and transmitting the generated address information registering message to the short message service center.

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9. The method of claim 8, wherein said transmitting the address information registering message, further comprises:

waiting for the originator's selection of an address book menu and displaying the address information from the address
10 book of an internal memory; and

waiting for the originator's selection of address information and adding the selected address information to the content of the short message.

15 10. The method of claim 7, wherein said checking whether or not the address information registering message service is available, comprises:

receiving a short message from the originating mobile communication terminal and checking whether the short message
20 is the address information registering message by extracting the identifier from the short message;

checking whether or not the address information registering message service is available at the called mobile communication terminal through terminal information registered
25 with a database; and

transmitting the address information registering message received from the originating mobile communication terminal to the called mobile communication terminal.

5 11. The method of claim 10, wherein said checking whether or not address information registering message service is available at the called mobile communication terminal, further comprises, when the address information registering message service is not available, transmitting a return message from
10 the called mobile communication terminal to the originating mobile communication terminal and informing the originating mobile communication terminal that registration of the address information is not accepted.

15 12. The method of claim 7, wherein said registering the transmission information with an address book, comprises:

receiving the short message through the short message service center to check whether or not an automatic storage function for the address information is set up;

20 extracting the address information from the address information registering message received through the short message service center and checking whether or not the extracted address information exists in the address book of an internal memory; and

25 registering the extracted address information with the

address book of the internal memory when the extracted address information does not exist in the address book of the internal memory.

5 13. The method of claim 7, wherein said checking whether or not the address information registering message service is available at the called mobile communication terminal, comprises:

10 receiving a short message from the originating mobile communication terminal and checking whether or not the address information registering message service is available at the called mobile communication terminal through terminal information registered with a database; and

15 transmitting the address information registering message received from the originating mobile communication terminal to the called mobile communication terminal.

14. The method of claim 7, wherein said registering the transmission information with an address book, comprises:

20 receiving a short message through the short message service center, and checking whether the short message is the address information registering message by extracting the identifier from the short message;

25 checking whether or not an automatic storage function for the address information is set up;

extracting the address information from the address
information registering message received through the short
message service center, and checking whether or not the
extracted address information exists in the address book of an
5 internal memory; and

registering the extracted address information with the
address book of the internal memory when the extracted address
information does not exist in the address book of the internal
memory.

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15 15. The method of claim 14, wherein said registering the
transmission information with an address book, further
comprises, when the automatic storage function for the address
information is not set up, casting a question about whether or
not the recipient stores the address information through a
display screen and checking whether or not the recipient
selects registration of the address information, by waiting for
the recipient's key input.